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Model #: SMART550USBWD

Smart WatchDog UPS System - Intelligent, line-interactive battery backup with WatchDog Service Monitoring/Reboot Software

Highlights

- 550VA line interactive tower UPS with Bundled Watchdog software
- Maintains 120V nominal output during brownout conditions
- Workstation optimized features include USB port, single line TEL / DSL line surge suppression and three surge-only outlets
- Input: NEMA 5-15P (120V 15A) / Output: 6 NEMA 5-15R (120V)
- 2 year product warranty / $200,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Description

Tripp Lite's SMART550USBWD provides unattended systems (including kiosks, web/email servers, security system computers and more) with a single-purchase solution for 100% availability, including a UPS System and WatchDog Service Monitoring/Reboot Software. In addition to completely bulletproofing equipment against two common causes of downtime (blackouts and computer service lockup) SMART550USBWD models save money by providing two availability products for less than the price of a single solution.

The line-interactive UPS System offers voltage regulation, surge suppression and long lasting battery support. Internal UPS circuits support systems for up to 30 minutes during power failures. Automatic Voltage Regulation (AVR) circuits regulate brownouts as low as 89 volts back to normal 120V levels without using battery power. Offers complete power protection in an attractive black tower configuration. Includes 3 battery supported outlets for computer, monitor and one vital system peripheral, plus 3 additional surge suppression-only outlets for printers and other system accessories not requiring battery support. USB port works with PowerAlert Software (included) to enable optional unattended system shutdown without data loss in the case of an extended power failure, USB cable included. Built-in single line RJ11 phone suppression jacks protect modem or other peripheral with a standard dialup/DSL phone connection. Built-in audible alarm and 4 front panel LEDs indicate line power status, battery power status, battery low/replace status and voltage boost operation. 550VA/300 watt power handling ability. Offers 4 minutes battery runtime with a full load of 550VA/300 watts and 15 minutes with a half load of 275VA/150 watts. Supports battery replacement via built-in access panel. 2 year warranty. $200,000 connected equipment insurance (USA & Canada Only).

WatchDog Software (included) automatically reboots locked-up or poorly performing system service applications. Set CPU- and memory-usage thresholds and monitor service performance in one application. Together with the UPS System, WatchDog Software eliminates the #1 reason for costly service calls—the need to reboot locked systems.* WatchDog Software runs directly on your computer, eliminating the need for a separate hardware device. If the system fails to reboot, WatchDog Software automatically directs PowerAlert Software to reboot the computer and connected equipment by powering down and restarting the UPS System. WatchDog Software supports Windows® NT, 2000 and XP systems.

**Server Technology* study

Applications

- Ideal for a variety of unattended systems, including kiosks, web/email servers, security system computers and more.

Package Includes

- SMART550USBWD UPS System
- USB and telephone interconnection cables
- Tripp Lite WatchDog and PowerAlert Software on CD-ROM
- Instruction manual with warranty information

Features

- SMART550USBWD line interactive UPS system offers voltage regulation and battery support in addition to complete AC and dialup/DSL modem line surge suppression
- Includes Tripp Lite's WatchDog Service Monitoring/Reboot Software as well as PowerAlert, Tripp Lite's Network Power Management Software
- WatchDog Software automatically reboots locked-up or poorly performing system service applications
- Supports CPUs for up to 30 minutes during power failures
- Supports a max load of 550VA/300 watts for 4 minutes and a half load of 275VA/150 watts for 15 minutes
- Automatic Voltage Regulation (AVR) circuits correct brownouts as low as 89 volts without using battery power
- 550VA/300 watt power handling ability
- Includes 3 battery supported outlets, plus 3 additional surge suppression-only outlets, 6 foot AC line cord (all NEMA 5-15)
- USB port enables unattended shutdown without data loss during extended power failures. Includes USB cable
- Attractive black tower configuration
- Built-in RJ-style phone suppression jacks protect modem or other peripheral with a dialup or DSL line phone connection
- Built-in audible alarm and 4 front panel LEDs indicate UPS system and line power status
- Supports battery replacement via built-in access panel
- Compatible with 120V/60Hz applications for USA, Canada, Mexico and more
- 2 year manufacturer's warranty
- $200,000 connected equipment insurance (USA & Canada Only)

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V AC
Frequency compatibility	60Hz
OUTPUT	
Output VA	550
Output watts	300
Output nominal voltage	120V AC
Output voltage regulation	BATTERY MODE: PWM sine wave 120V +/-5%
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Outlet quantity / type	6 NEMA 5-15R
INPUT	
Maximum input amps	10A / 1200 watts
Input connection type	NEMA 5-15P, right-angle plug
Input cord length	6 ft., 16 gauge
Recommended Electrical Service	15A 120V
BATTERY	
Full load runtime	4 minutes (550VA)
Half load runtime	15 minutes (275VA)
DC system voltage	12 VDC

Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	2-4 hours to 90%
Replacement Battery Cartridge	RBC51
VOLTAGE REGULATION	
Voltage regulation description	Line interactive voltage regulation corrects brownouts as low as 89V
Brownout correction	Input voltages between 89 and 104V are boosted by 14%
LEDS ALARMS & SWITCHES	
Front panel LEDs	4 LEDs indicate performance conditions: GREEN "online" GREEN "voltage regulation enabled" RED "on battery" YELLOW "battery low/replace"
Alarms	Audible alarm with 15 second delay sounds to indicate loss of utility power. Alarm can be silenced by pressing front panel alarm cancel button. Once silenced, alarm will re-sound when approximately 2 minutes runtime remain.
Switches	Includes 2 front panel switches - one main on/off power switch and one dual function "alarm cancel" / "self test" button
SURGE / NOISE SUPPRESSION	
AC surge suppression	480 joules
AC suppression response time	Instantaneous
Dataline suppression	Tel/DSL
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	18
Shipping weight (kg)	8.2
Unit weight (lbs)	14.4
Unit weight (kg)	6.5
Unit Dimensions (HWD/in)	8.5 x 5 x 6.5
Unit Dimensions (HWD/cm)	21.6 x 12.7 x 16.5
Material of construction	PVC
Form factors supported	Tower
Cooling method	Convection
Battery Access	Battery access door allows user replacement of UPS batteries
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
Storage Temperature	+5 to +122 degrees Fahrenheit, -15 to +50 degrees Celsius
Operating Temperature	+32 to +104 degrees Fahrenheit, 0 to +40 degrees Celsius
COMMUNICATIONS	
Network monitoring port	USB
Software and cabling included	USB cabling, WatchDog and PowerAlert Software included

WatchDog compatibility	Yes, compatible with Tripp Lite's WatchDog Software (included) to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment — ideal for all unattended applications.
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	Switches to battery power as line voltage decreases to 89 volts or less.
High voltage transfer to battery power	Switches to battery power as line voltage increases to 139 volts or higher.
SPECIAL FEATURES	
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive all-black tower UPS
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), cUL (Canada), FCC Class B (emissions), NOM (Mexico), FCC Part 68 / Industry Canada (Telecommunications)
WARRANTY	
Product Warranty Period	2 year product warranty
Connected Equipment Coverage	$200,000 connected equipment insurance (USA / Canada only)
Optional Coverage	3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information.

Related Items

Extended Warranties		
WEXT3-500-1500	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]
WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]

Surge Protectors		
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]

USB Hubs/Accessories		
U022-010	USB Cable - 10-ft. USB 2.0 AB Gold Device Cable	Qty: [optional]

Wallmount Bracket		
UPSWM	Wallmount Bracket and installation accessories (4 washers, 4 screws, 1 Velcro safety strap)	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=2591.

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